# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start		Rating **	Α	Issue No.		7	
LM End		Issue Type +	Ma	Location *			
Catagory	Category Earthen Levee			GPS La	atitud	e/Longitude	
Category				Start		End	
Operations & Maintenance					0		0
пеш	Manuals				0		0
DWR ID DWR_ST0005_01_s _ 2013_7							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
O&M man	ual is locat	ed at the Sutt	er Maint	enance Yar	d.		

No Photos

LM Start		Rating **	Α	Issue No.		8	
LM End		Issue Type +	Ma	Location *			
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item Emergency Supplies &					0		0
пеш	Equipmen	nt			0		0
DWR ID	DWR_ST0	005_01_s _ 201	3_8				
		Comn	nent Cod	de			

Inspector Comment

Emergency supplies and equipment are stored at the Sutter

No Photos

LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ма	Location *			
Category Earthen Levee			GPS Latitude/Longitude				
Category	Sategory			Start		End	
ltom	Flood Preparedness & Training				0		0
item					0		0
DWR ID	DWR_ST0	005_01_s _ 201	3_9				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			

Sutter Maintenance Yard employees attend the annual Flood Fight

No Photos

\* Location

Maintenance Yard.

LS: Land Side N/A: Not Applicable

class put on by DWR inspector Bob Duffy.

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

## **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start	0.02	Rating **	Α	Issue No.		3
LM End	1.21	Issue Type +	Ма	Location *	LS	
Category	evee	GPS Latitude/Longitude				
Calegory						End
Item	Vegetatio	n		39.4399	60°	39.456723°
item					39°	-121.639323°
DWR ID DWR_ST0005_01_f _ 2018_3						

#### Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

Maintained annual vegetation, this section is sprayed but not mowed due to the cobbles, Fall 2018.

Photo 1 of 1: FA\_2018\_ST0005\_289\_3\_20181003\_00015.jpg



View looking upstream landside of the maintained annual vegetation, this section is sprayed but not mowed due to the cobbles, Fall 2018.

LM Start	0.02	Rating **	Α	Issue No.		5	
LM End	1.21	Issue Type +	Ма	Location *		WS	
Category	evee		GPS Latitude/Longitude				
Category				Start		End	
Item	Vegetatio	n		39.4399	60°	39.456723°	
пеш				-121.6414	39°	-121.639323 °	
DWR ID DWR_ST0005_01_f _ 2018_5							

#### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

Maintained annual vegetation, this section is sprayed but not mowed due to the cobbles, Fall 2018.

Photo 1 of 1: FA\_2018\_ST0005\_289\_5\_20181003\_00016.jpg



View looking upstream waterside of the maintained annual vegetation, this section is sprayed but not mowed due to the cobbles, Fall 2018.

LM Start	0.19	Rating **	M	Issue No.		15	
LM End	0.19	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		39.4424	35 °	39.442435	0
пеш				-121.6417	60°	-121.641760	0
DWR ID	DWR_ST0	005_01_s _ 201	5_15				

#### Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

#### Inspector Comment

No Photos

Location

N/A: Not Applicable LS: Land Side

WS: Water Side CR : Crown

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

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En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start	0.70	Rating **	М	Issue No.		16
LM End	0.70	Issue Type +	Ма	Location *		WS
Catagony	Category Earthen Levee				atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		39.4496	23°	39.449623°
пеш				-121.640940 °		-121.640940 °
DWR ID	DWR_ST00	005_01_s _ 201	7_16			
		Comn	nent Cod	de		
V4 : Elderk	perries are	blocking visib	ility and	flood fight	capa	bility.
		Inspecto	or Comm	nent		

No Photos

LM Start	0.73	Rating **	A/W	Issue No.	14		
LM End	0.91	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Trim / Thi	n Trees		39.45010	)9°	39.452643°	
пеш				-121.64085	51 °	-121.640316°	
DWR ID	DWR ID DWR_ST0005_01_s _ 2016_14						
	Comment Code						

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

## Inspector Comment

Small trees 4" in diameter at chest height have been sprayed and should be removed, Fall 2018.

## Photo 1 of 1: FA\_2018\_ST0005\_289\_14\_20180918\_00005.jpg



View looking upstream waterside of trees. Small trees 4" in diameter at chest height have been sprayed and should be removed, Spring 2018.

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

## **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start	1.48	Rating **	U	Issue No.		18		
LM End	1.99	Issue Type +	Ма	Location *		WS		
Cotogon Earthen Levee				GPS Latitude/Longitude				
Category	egory					End		
Item	Trim / Thin Trees			39.4580	53 °	39.461949°		
item	-121.63630					-121.629563°		
DWR ID DWR_ST0005_01_s _ 2017_18								
Comment Code								

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

#### Inspector Comment

From Levee Mile 1.38 to 3.39 has never been maintained by the LMA.



View looking upstream of thick trees and vegetation blocking visibility on waterside, looking downstream. Spring 2018.

LM Start	1.48	Rating **	U	Issue No.		11		
LM End	3.25	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Trim / Thin Trees			39.4580	55 °	39.470312°			
пеш			-121.6363	00°	-121.609242°			
DWR ID DWR_ST0005_01_s _ 2017_11								
	Commont Codo							

#### Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

## Inspector Comment

From Levee Mile 1.38 to 3.39 has never been maintained by the LMA.

# Photo 1 of 1 : FA\_2018\_ST0005\_289\_11\_20181003\_00014.jpg



View looking upstream landside and waterside of thick trees blocking visibility on landside, Fall 2018.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

## **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start	1.50	Rating **	M	Issue No.		17
LM End	1.96	Issue Type +	Ма	Location *		WS
Earthen Levee			GPS Latitude/Longitude			
Category			Start		End	
Item	Vegetation			39.4581	31 °	39.461634°
item		-121.6359 <sup>-</sup>	16°	-121.629926°		
DWR ID DWR_ST0005_01_f _ 2017_17						
		_	_			

#### Comment Code

 $\ensuremath{\text{V2}}$  : Remove the wild growth other than native grasses from the levee slopes.

## Inspector Comment

Maintain annual grasses, Fall 2018.

# Photo 1 of 1 : FA\_2018\_ST0005\_289\_17\_20180918\_00006.jpg



View looking upstream waterside of annual grasses that need to be maintained, Spring 2018.

LM Start	1.50	Rating **	U	Issue No.	e No. 6	
LM End	2.63	Issue Type +	Ма	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Category			Start		End	
Item	Vegetation			39.4581	32°	39.466025°
пеш					14°	-121.618972 °
DWR ID DWR_ST0005_01_f _ 2016_6						

#### Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

## Inspector Comment

Blackberries covering slope. From Levee Mile 1.38 to 3.39. This section has never been maintained by the LMA.

## Photo 1 of 1: FA\_2018\_ST0005\_289\_6\_20180918\_00002.jpg



View looking upstream landside of blackberries that are covering the landside slope, Spring 2018.

LM Start	2.46	Rating **	М	Issue No.		10	
LM End	2.48	Issue Type +	Ма	Location *		LS	
Category	Catagonia Earthen Levee			GPS Latitude/Longitude			
Category	Calegory			Start		End	
Item	Vegetation			39.46537	o°	39.465410	0
пеш				-121.62207	4 °	-121.621736	0
DWR ID DWR_ST0005_01_f _ 2016_10							

## Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Blackberry bushes are covering landside slope. From Levee Mile 1.38 to 3.39 has never been maintained by the LMA.

#### Photo 1 of 1: FA\_2018\_ST0005\_289\_10\_20180918\_00003.jpg



View of blackberries that are covering landside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sutter Maintenance Yard Hamilton Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	09/06/2018 09/06/2018	Sterling York

LM Start	3.23	Rating **	М	Issue No.		4
LM End	3.27	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory	Salegory			Start		End
Item	Trim / Thin Trees			39.470063°		39.470558°
item				-121.609264 °		-121.609215 °
DWR ID	DWR_ST0	005_01_s _ 201	3_4			
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to						

flood fight.

## Inspector Comment

Small trees 4" in diameter at chest height should be removed before they get too big. From Levee Mile 1.38 to 3.39 has never been maintained by the LMA.



View looking upstream waterside of small trees 4" in diameter at chest height should be removed before they get to big, Spring 2018.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement